



Mostafa Hussien Sliem

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Formal education:

M.Sc. in Analytical Chemistry – 2012

Zagazig University, Egypt. Master thesis with

Supervisor: Prof S. A. Wanees.

Thesis: "Electrochemical studies on the Corrosion Inhibition of Copper in Aqueous Media"

B.Sc. in Chemistry/physics – 2007

Zagazig University, Egypt. Master thesis with

Publications:

- “Some nitrogen organic compounds as corrosion inhibitors for copper in sulfuric acid” S. Abd El Wanees, A. S Fouda, and Mostafa Hussien., Egypt. J. of Appl. Sci., 27 (9) 2012 (785 – 798).
- “Atmospheric Corrosion of 316L stainless steel at Qatar” Mostafa H. Sliem, Aboubakr M. Abdullah, Adel M. A. Mohamed. Eurocorr 2015 conference, Graz, Austria

Work experience:

- From 11/2007 – 5/2013 in Arab contractor for operation, maintenance and utilities.
(**Operating & Lab chemist**)

Work summary: - Making the laboratory tests of Treatment plants of drinking water (Island Mahrous, bani shibl, Blsafor and Elmanzala) Is responsible for administrative matters plants and instrumentation of lab stations. Observation the treatment steps of the brackish water in (Saffor, El anania and Elaslogy).

- From 6/2013 – till now in Qatar university – Center of Advanced Materials (CAM).
(**Research assistant**)

Work summary: - Participating in Corrosion Atlas project for Qatar Petroleum Company to measure the atmospheric corrosion rate of the following metallic alloys: Corten A, C-steel, 316L SS, 2003 SS, 2205 SS, 25Cr SS, 6Mo SS, 904L SS – Ni 825, Ni 625, Ni 276 – Al 6063, Al 6082 and Cu/Ni alloy) in addition to hot dip galvanizing (HDG) and thermally sprayed aluminum (TSA) coatings and (ii) measure the effect of environmental parameters (e.g. UV radiations, humidity, chloride ions in air) on the integrity of high density polyethylene and aliphatic poly urethane coatings.

Language Skills:

- English : Fluent in speaking, reading, and writing (IELTS score: 6.0)
- Arabic : Native

Expertise:

- Fabrication of meso-porous materials.
- Leveraging various equipment and techniques used for corrosion studies e.g. potentiostat, salt spray, weathering machine, contact angle analyzer, Tensile tester, wear machine ...)
- Extensive usage of SEM, XRD, XPS, EDX, AFM, profilometry, FTIR, TGA for material characterization.
- H₂S based work (obtained training from Qatar Petroleum Co.

Other skills:

- Team player and independent researcher at the same time
- Good interpersonal communication (in oral and written).
- Laboratory Safety awareness (certification from OSHA).

References:

1- Dr. Aboubakr M. Abdullah

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2- Dr. Adel Mohamed Amer

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3- Dr. S. Abd El Wanees

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